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INTERNATIONAL SEARCH REPORT

International application No.
CT/JP03/13978

	SIFICATION OF SUBJECT MATTER C1 ⁷ F16K27/00				
According to	o International Patent Classification (IPC) or to both na	tional classification and IPC	·		
B. FIELD	S SEARCHED				
	ocumentation searched (classification system followed I Cl ⁷ F16K27/00	by classification symbols)			
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Jitsı	ion searched other than minimum documentation to the 1926–1996 i Jitsuyo Shinan Koho 1971–2004	extent that such documents are included Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	1994-2004		
Electronic d	ata base consulted during the international search (nam	e of data base and, where practicable, sear	rch terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No. ·		
A	JP 2002-520554 A (Unit Instr 09 July, 2002 (09.07.02), Full text		1		
	& WO 2000/03169 A2 & US	6374859 B1	`		
A	JP 2001-521120 A (Unit Instr 06 November, 2001 (06.11.01), Full text & WO 1999/22165 A1 & US		1		
A	JP 2002-517697 A (HOLLINGSHE 18 June, 2002 (18.06.02), Full text		1		
	& WO 1999/64771 A1 & US	6260581 B1			
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special "A" docum conside "E" earlier	l categories of cited documents: ent defining the general state of the art which is not ered to be of particular relevance document but published on or after the international filing	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be			
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "E" document of particular relevance; the claimed invention considered novel or cannot be considered to involve an is step when the document of particular relevance; the claimed invention document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention considered to involve an invention document of particular relevance; the claimed invention considered to involve an invention considered to involve		claimed invention cannot be when the document is			
means "P" docum	ent referring to an oral disclosure, use, exhibition or other ent published prior to the international filing date but later e priority date claimed	"&" document member of the same patent	skilled in the art family		
	actual completion of the international search fanuary, 2004 (05.01.04)	Date of mailing of the international sear 20 January, 2004 (2			
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C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		1	K 1	
Category*	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim)No.	
A	JP 2001-153289 A (Air Water Inc.), 08 June, 2001 (08.06.01), Full text (Family: none)		1		
P,A	JP 2003-91322 A (CKD Kabushiki Kaisha), 28 March, 2003 (28.03.03), Full text (Family: none)			·	
A	JP 2001-254857 A (Toshiba Corp., Tokyo El Ltd., Fujikin Inc.), 21 September, 2001 (21.09.01), Full text (Family: none)	ectron	1		
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